

Perfect Filter PLC-Series Activated Carbon Block Cartridges



PLC-Series Carbon Block Cartridges is made from coconut shell based, palm or nut shell based & coal based carbons which creates what many believed to be a sweeter tasting water. Because of the unique pore structure of this carbon, it is well suited for chemical adsorption, including VOCs, while reducing chlorine and chemicals that contribute to taste and odor, PLC-Series Carbon Block Cartridges provide 1~20 μ m particulate filtration and extended life as a fine sediment Cartridges. Thus service life of a PLC-Series Carbon Block Cartridges is greatly extended by an outer layer of 10~15 μ m polypropylene non-woven pre-filtration media and will operate effectively in most in installations without pre-filtration. PLC-Series Carbon Block Cartridges is ideal for residential and food service applications where Improving the taste of the water is the primary objective.

PLC Series Recommended Applications

Commercial

- ~Drinking water system
- ~R.O system and general commercial water system

Industrial

- ~Amines, glycols, sulfanols
- ~Water purification
- ~Vending machines
- ~Photographic
- ~De-chlorinating
- ~Plating solutions
- ~High molecule weight alcohols
- ~Beverages
- ~Cooling tower treatment
- ~Clarity improvement
- ~Organic contaminants
- ~PCB's (polychlorinated biphenyl)

~Oil removal
 ~Aromatic compounds
 ~Color removal

~Benzene/Toluene
 ~Drinking water

PLC Series Technical specifications

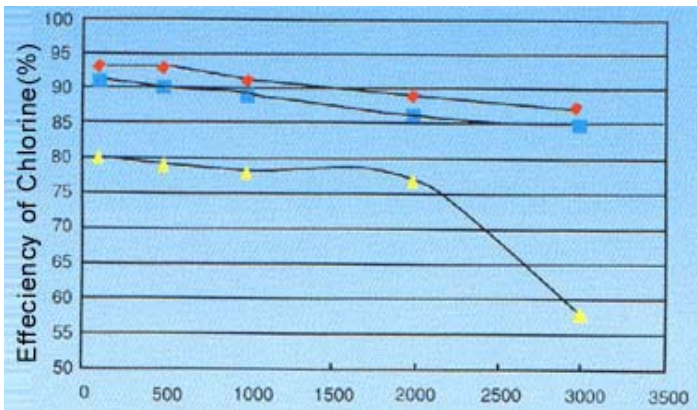
Part No	O.D.x Length	Filter Weight	Chlorine Capacity@Flow	micro Rating	Initial -->P@Flow
PLC-C-0510-C070	2.5"x10"	380±10g	~3000gal@5Lpm	5µm	0.05kg/cm ² @5Lpm
PLC-CC-0510-C070	2.5"x9.87"	380±10g	4200gal@5Lpm	5µm	0.05kg/cm ² @5Lpm
PLC-CC-0520-C070	2.5"x20"	760±15g	8500gal@5Lpm	5µm	0.05kg/cm ² @5Lpm

Test System

Refer to NSF (National Sanitation Foundation) ANSI/NSF-42,53,58 and ISO 4572, ASTM 797-88 Standard.

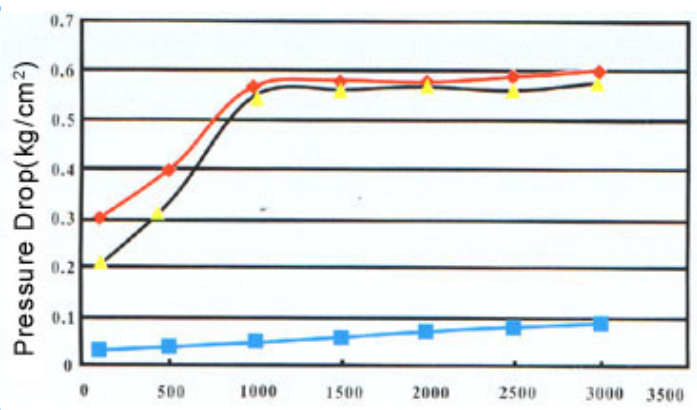
PLC-Series: PLC-C-0510-C-070

Cl:2PPM,4L/min



Flow Rate (Gal)

PLC-Series: PLC-C-0510-C-070



Flow Rate (Gal)

*Europe Products

*Perfect Filter-Series. PLC-C-0510-C-070

*Others

*Europe Products

*Perfect Filter

*Others

PLC Series Features

- ~Highly effective filtration of water for certain VOCs, Chlorine, taste and odor.
- ~Low pressure Drop. High performance.
- ~Extra dust holding capacity.
- ~Greater solids holding capacity.
- ~Longer service life.
- ~Various Media are available.
- ~No leaching carbon ash.
- ~1~20 micron filtration.

PLC Series Carbon Block materials specification

Model	Type of Activated Carbon	Bet. N2 Surface Area (m ² /g)	Iodine Number (mg/g)	Methylene Blue Adsorption (mg/g)	Benzol Adsorption/CTC (%)	Hardness (%)	Bulk Density (g/cm ³)	Ash Content (%)	Moisture (%)	pH	Size (mm)	Applications
			(ASTM)	GB/-7702.6 1997		(ASTM)	(ASTM)	(ASTM)	(ASTM)		(ASTM)	
C	Coal shell base A.C.	1000	≥950	≥160	≥33/60	≥90	~0.43	≤15	<5	~9		commercial & Industry
CA	Acid wash coal shell base A.C.	1000	≥950	150	≥33/60	≥90	~0.43	≤10	<5	≥6		commercial & Industry
CW	Water wash coal shell base A.C.	1000	≥980	≥170	≥33/60	≥90	~0.43	≤15	≤5	~9		commercial & Industry
N	Nut shell base A.C.	1000	≥1000	≥135	≥33/55	≥90	~0.42	≤10	<5	~9		commercial & Industry
NA	Acid wash nut shell base A.C.	1000	≥1000	≥120	≥33/55	≥90	~0.42	≤6	≤5	~6		commercial & Industry
NW	Water wash nut shell base A.C.	1000	≥1000	≥135	≥33/55	≥90	~0.42	≤10	≤5	~9		commercial & Industry
CC	Coconut shell base A.C.	1000	≥1000	≥135	≥33/55	≥95	0.43	≤8	≤5	~9		commercial & Industry
CCA	Acid wash coconut shell base A.C.	1000	≥1050	≥135	≥33/55	≥95	0.43	<5	<5	~6		commercial & Industry
CCW	Water wash coconut shell base A.C.	1000	≥1100	≥135	≥33/55	≥95	0.43	<8	<5	~9		commercial & Industry
□+WW	Fe≤100PP M Cl≤100PP M	≥1000	≥1200	≥170	≥60	≥90	0.43	<8	<6-7	≥6		Industry

PLC Series specification

Length (inch)	5", 9-3/4", 9-7/8", 10", 20",30",40"
Micron rating	1µm, 5µm, 10µm, 15µm, 20µm
Inner diameter	15mm, 20mm,28mm,32mm (with End cap)
Outer diameter	40mm,44mm,58mm,66mm,70mm, 112mm,(with End cap)
Non-woven	Color: white, black
End cap	Color: white, black, blue

Special order cartridges are available in varying OD with length for 5" to 40".

OEM are welcome.

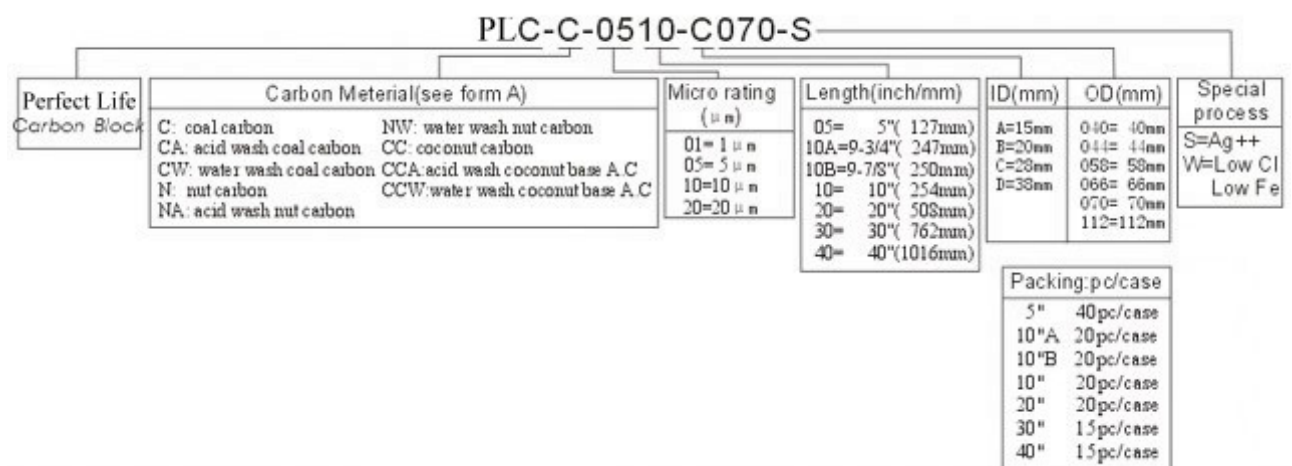
Materials Of Construction

Media	Bond G.A.C.
End Caps	Polypropylene
Inner/Outer Wraps	Polypropylene Non-woven
Netting	Polypropylene
Gaskets	Buna-N

Operation condition

Maximum Operating Temperature	125°F
Maximum Operating Pressure	17.5Kg/cm ²
Maximum Differential Pressure	7Kg/cm ²
Collapse Pressure	14Kg/cm ²

Ordering Information



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